

AFFINITY DETECTING/ANALYTICAL CHIP, METHOD FOR PRODUCTION
THEREOF, DETECTION METHOD AND DETECTION SYSTEM USING SAME

ABSTRACT OF THE DISCLOSURE

An affinity detecting/analytical chip comprises a
5 plurality of capillaries bundled together, the capillaries
having, fixed to their inner surface, probe molecules
causing different specific binding reactions. A detection
method flows molecules as a sample into the bundled
capillaries to cause specific binding reactions, thereby
10 binding the sample molecules to the inner surface of the
capillaries, then applies light from one end of the
capillary bundle, and observes light exiting from the
opposite end surface of the capillary bundle, thereby
examining the capillaries for the presence of binding. A
15 reaction product detection system uses the chip. The chip,
the detection method, and the detection system secure a
sufficient signal strength, permit easy detection with a
daylight lamp, and reduce difficulty involved in
fluorescence detection.